

TRANSCAT

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35 Vantage Point Drive Rochester, NY 14624
Call 1.800.800.5001

PosiTector® 6000 Series

Coating Thickness Gages for
ALL Metal Substrates



DeFelsko[®]
The Measure of Quality

PosiTector® 6000 Series

All Gages Feature...

Simple

- Ready to measure—no adjustment required for most applications
- Enhanced one-handed menu navigation
- Flashing display—ideal in a noisy environment
- RESET feature instantly restores factory settings

Durable

- Solvent, acid, oil, water and dust resistant—weatherproof
- Wear-resistant probe tip
- Shock-absorbing, protective rubber holster with belt clip
- Two year warranty on gage body AND probe

Accurate

- Certificate of Calibration showing traceability to NIST included
- Built-in temperature compensation ensures measurement accuracy
- Hi-RES mode increases displayed resolution for use on applications that require greater precision
- Conforms to national and international standards including ISO and ASTM

Versatile

- PosiTector body universally accepts all PosiTector 6000, 200, SPG, DPM and UTG probes easily converting from a coating thickness gage to a surface profile gage, dew point meter or ultrasonic wall thickness gage
- Multiple Calibration adjustment options including 1 point, 2 point, known thickness, average zero
- Selectable display languages
- Hi Contrast backlit display for bright or dark environments
- Flip display enables right-side-up viewing
- Extended cables available (up to 75 m/250 ft) for remote measuring
- Uses alkaline or rechargeable batteries (built-in charger)

Powerful

- Continually displays/updates average, standard deviation, min/max thickness and number of readings while measuring
- Screen Capture—record and save screen images into memory for record keeping and review
- HiLo alarm audibly and visibly alerts when measurements exceed user-specified limits
- FAST mode—faster measurement speed for quick inspection
- USB port for fast, simple connection to a PC and to supply continuous power. USB cable included
- PosiSoft USB Drive—stored readings and graphs can be accessed using universal PC/Mac web browsers or file explorers. No software required.
- Every stored measurement is date and time stamped
- Software updates via internet keep your gage current
- Connects to PosiSoft.net (see far right panel)

Probes available for a variety of applications



For measuring paint, powder, etc. on all metals...



...and for measuring galvanizing, plating, anodizing and more.

Gage Selection...

Select Substrate

- F** — for ferrous metals (steel and cast iron)
- N** — for non-ferrous metals (aluminum, copper, etc.)
- FN** — for all metal substrates—Gage automatically recognizes the substrate and takes a measurement

Select Standard or Advanced Features

Standard Models

Includes ALL features as shown on left plus...

- Monochrome display with transfective technology enhances sunlight readability
- Storage of 250 readings—stored readings can be viewed or downloaded

Advanced Models

Includes ALL features as shown on left plus...

- Hi Contrast reversible color LCD
- Storage of 100,000 readings in up to 1,000 batches and sub-batches
- Onscreen help, real time graphing, picture prompting and more
- Batch annotation—add notes and change batch names with onscreen QWERTY keyboard
- WiFi technology wirelessly synchronizes with PosiSoft.net, downloads software updates and connects with mobile devices for expanded functionality
- Data transfer via USB to a PC or via Bluetooth® Wireless Technology to a PC or printer
- Scan mode—take continuous readings without lifting the probe
- Multiple stored calibration adjustments for measuring on a variety of substrate conditions
- SSPC PA2 feature determines if film thickness over a large area conforms to user-specified min/max levels
- PSPC 90/10 feature determines if a coating system complies with an IMO performance standard for protective coatings

Select from a variety of measurement ranges and probe styles

(see back page ordering guide)

Heavy-duty, gold-plated locking connector for industrial environments



Separate Probe Style

Removable Probes can be detached and replaced with any one of our wide variety of probes including separate probes and microprobes



Built-in Probe Style



FKS

90°

0°

45°

Regular

Rugged Features...

WEATHERPROOF

Sealed USB Port for communicating with a PC or Mac

Water and dust resistant—weatherproof

Hi resolution color LCD

Scratch/solvent/impact resistant lens

Multi-function navigation button

Solvent, acid, oil resistant, hi-grade, industrial strength housing

Advanced model shown in Memory mode

Quality high-flex cable and strain relief

Stainless steel probe with knurled finger grip

Strong wear-resistant ruby-tipped probe

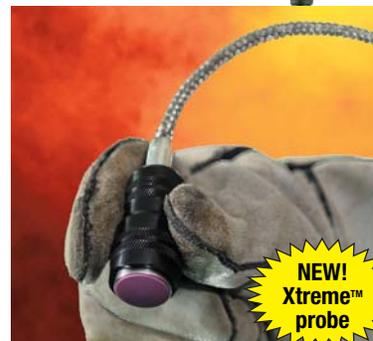
All Regular Separate Probes are suitable for underwater use



Standard model shown in Statistics mode with shock-absorbing, protective rubber holster



Microprobe series for small parts and hard-to-reach areas



NEW!
Xtreme™
probe

FHXS Probe with Alumina wear face and braided cable for hot or rough surfaces



Flip Display enables right-side-up viewing

PosiSoft®

FREE solutions for viewing, analyzing and reporting data:



PosiSoft USB Drive - Connect to a PC/Mac using the supplied USB cable to access and print stored readings, graphs, photos, notes and screen captures. No software or internet connection required.



PosiSoft.net - A web-based application offering secure centralized management of PosiTector readings. Access your data from any web-connected device.

PosiSoft Software - Desktop Software for downloading, viewing and printing your measurement data.

PosiSoft Mobile (Advanced models only) - access readings, graphs, capture photos and update annotations through WiFi enabled devices, such as tablets, smart phones and computers.



WiFi



Available on the App Store



Universal Gage Body

■ Universal Gage Body accepts all PosiTector 6000, 200, SPG, DPM and UTG probes

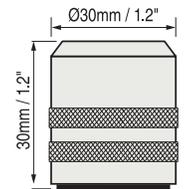
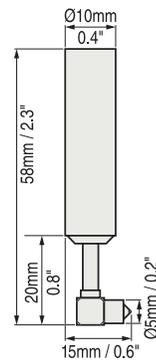
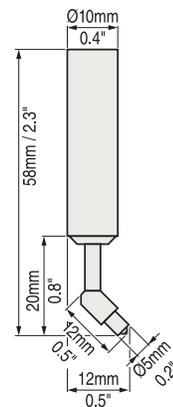
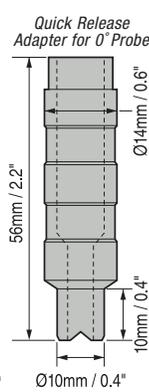
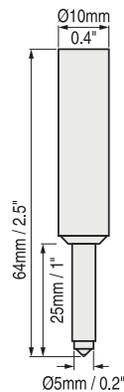
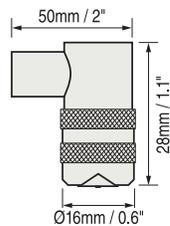
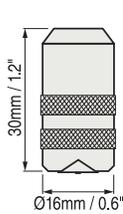
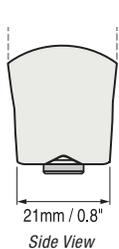
PosiTector® 6000 Series ORDERING GUIDE		Our most popular Removable Built-in and Regular Separate probe models			90° Regular probe for tight spots	Ideal for anodized aluminum	Microprobes – Our smallest probes for small parts or hard-to-reach areas			Removable Built-in and Separate probes for thick protective coatings; epoxy, rubber, intumescent fire proofing and more			
											NEW		
Non-Magnetic Coatings on FERROUS Metals (Steel and Iron)	Standard	F1	FS1	FRS1		F0S1	F45S1	F90S1	FT1	FTS1	FHXS1**	FKS1	
	Advanced	F3	FS3	FRS3		F0S3	F45S3	F90S3	FT3	FTS3	FHXS3**	FKS3	
Non-Conductive Coatings on NON-FERROUS Metals (Aluminum, Copper, etc.)	Standard	N1	NS1	NRS1	NAS1	N0S1	N45S1	N90S1				NKS1	
	Advanced	N3	NS3	NRS3	NAS3	N0S3	N45S3	N90S3				NKS3	
Combination ALL METALS	Standard	FN1	FNS1	FNRS1						FNTS1			
	Advanced	FN3	FNS3	FNRS3						FNTS3			
Range		0 – 60 mils 0 – 1500 µm			Ferrous: 0 – 45 mils and 0 – 1150 µm Non-Ferrous: 0 – 25 mils and 0 – 625 µm			0 – 250 mils 0 – 6 mm	0 – 400 mils 0 – 10,000 µm	0 – 500 mils 0 – 13 mm			
Accuracy*		±(0.05 mils + 1%) 0 – 2 mils ±(0.1 mils + 1%) > 2 mils ±(1 µm + 1%) 0 – 50 µm ±(2 µm + 1%) > 50 µm			±(0.02 mils + 1%) 0 – 4 mils ±(0.1 mils + 3%) > 4 mils ±(0.5 µm + 1%) 0 – 100 µm ±(2 µm + 3%) > 100 µm			±(0.5 mil + 1%) 0 – 100 mils ±(0.5 mil + 3%) > 100 mils ±(0.01 mm + 1%) 0 – 2.5 mm ±(0.01 mm + 3%) > 2.5 mm	±(0.1 mil + 3%) 0 – 400 mils ±(2 µm + 3%) 0 – 10,000 µm	±(1 mil + 3%) 0 – 500 mils ±(0.02 mm + 3%) 0 – 13 mm			
Matching DeFelsko Thickness Standards		STDS1 STDA1			STDS2 STDA2			STDP1	STDP7	STDP5			

*Accuracies are stated as a fixed value plus a percentage of the gage's actual reading. EXTENDED CABLES available for underwater or remote measuring. Specify length when ordering.

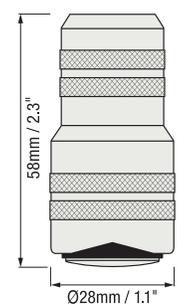
** Xtreme probe with Alumina wear face and braided cable. Ideal for rough or hot surfaces up to 250° C (500° F)

Probe Details

REMOVABLE BUILT-IN	REGULAR & FTS	90° REGULAR	F0S & N0S WITH ADAPTER	F45S & N45S	F90S & N90S	FNTS, FKS & NKS
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FHXS



ALL GAGES COME COMPLETE with precision plastic shims, protective rubber holster with belt clip, wrist strap, 3 AAA alkaline batteries, instructions, nylon carrying case with shoulder strap, protective lens shield, Long Form Certificate of Calibration traceable to NIST, USB cable, two (2) year warranty.

SIZE: 137 x 61 x 28 mm (5.4" x 2.4" x 1.1")

WEIGHT: 140 g (4.9 oz.) without batteries

Conforms to ISO 2178/2360/2808, PrEN ISO 19840, ASTM B499/D1186/D1400/D7091/E376/G12, BS3900-C5, SSPC-PA2 and others



Options

Bluetooth Printer receives data from Advanced models

AC Power Kit for continuous operation or battery charging—works in any country

Coating Thickness Standards to fulfill both ISO and in-house quality control requirements

Rechargeable Batteries—a set of eneloop NiMH AAA batteries

Protective Lens Shields protect the display from overspray



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Made in U.S.A.